ABSTRACT OF THE DISCLOSURE

A reflective pavement marker includes a shell having a top wall, a side wall extending from an end of the top wall, and reflective end walls extending from an other end of said the top wall, wherein the shell forms an interior cavity. The shell is formed from a polyacrylate or a polycarbonate having a tensile strength of more than 9,000 psi and a ratio between tensile strength and flexural modulus of between 0.021-0.050:1. The reflective pavement marker also includes a reflective portion integral with the reflective end wall, a reflective coating covering the reflective portion and a bonding coating covering at least the reflective portion. The reflective pavement marker further includes a filler material within the interior cavity of the shell.